

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 201482US0XCIP

JC813 U.S. PTO

09/749998

First Inventor or Application Identifier Isao KARUBE

Title METHOD FOR DETECTING DNA WITH PROBE PNA

12/29/00

Assignee Name: ISAO KARUBE AND DAI NIPPON PRINTING CO., LTD.

Assignee Address: 1-3-16, Higashi-Arima, Miyamae-Ku, Kawasaki-Shi, Kanagawa-Ken, JAPAN & 1-1, Ichigaya-Kaga-Cho 1-Chome, Shinjuku-Ku, Tokyo-To, JAPAN

12/29/00
U.S. PTO

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Specification Total Sheets **22**

3. Drawing(s) (35 U.S.C. 113) Total Sheets **6**

4. Oath or Declaration Total Pages

- a. Newly executed (original or copy)
b. Copy from a prior application (37 C.F.R. §1.63(d))
(for continuation / divisional w/ box 16 completed)

- i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in
the prior application, see 37 C.F.R. §1.63(d)(2) and
1.33(b).

5. CD-ROM or CD-R in duplicate, large table or Computer
Program (Appendix)

6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. Computer Readable Form (CRF)

- b. Specification or Sequence Listing on:

- i. CD-ROM or CD-R (2 copies); or
ii. Paper

- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. Assignment Papers (cover sheet & document(s))
8. Application Data Sheet. See 37 CFR 1.76
9. 37 C.F.R. §3.73(b) Statement Power of Attorney
(when there is an assignee)
10. English Translation Document (if applicable)
11. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS
Citations
12. Preliminary Amendment
13. White Advance Serial No. Postcard
14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. Applicant claims small entity status.
See 37 CFR 1.27
16. Other: Request for Priority w/copy of PCT/IB/304
List of Inventors Names and Addresses

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

- Continuation Divisional Continuation-in-part (CIP) of prior application no.: 09/147,791

Prior application information: Examiner: Enewold, J.

Group Art Unit: 1655

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. Amend the specification by inserting before the first line the sentence:

- This application is a Continuation Division Continuation-in-part (CIP)
of application Serial No. 09/147,791 Filed on March 9, 1999, pending, which was filed as International
Application PCT/JP98/03077, filed July 9, 1998.
- Which was published in English
 Which was not published in English
 This application claims priority of provisional application Serial No. Filed

19. CORRESPONDENCE ADDRESS



22850

(703) 413-3000

FACSIMILE: (703) 413-2220

Name:	Norman F. Oblon	Registration No.:	24,618
Signature:		Date:	12/29/00
Name:	Daniel J. Pereira, Ph.D.	Registration No.:	45,518

Docket No. 201482US0XCIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Isao KARUBE et al

SERIAL NO: New Application

FILING DATE: Herewith

FOR: METHOD FOR DETECTING DNA WITH PROBE PNA

FEES TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	20 - 20 =	0	x \$18 =	\$0.00
INDEPENDENT CLAIMS	3 - 3 =	0	x \$80 =	\$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)			+ \$270 =	\$0.00
<input checked="" type="checkbox"/> LATE FILING OF DECLARATION			+ \$130 =	\$130.00
			BASIC FEE	\$710.00
			TOTAL OF ABOVE CALCULATIONS	\$840.00
<input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY				\$0.00
<input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE			+ \$130 =	\$0.00
<input type="checkbox"/> RECORDATION OF ASSIGNMENT			+ \$40 =	\$0.00
			TOTAL	\$840.00

- Please charge Deposit Account No. 15-0030 in the amount of A duplicate copy of this sheet is enclosed.
 A check in the amount of \$840.00 to cover the filing fee is enclosed.
 The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030.
A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman E. Oblon
Registration No. 24,618

Daniel J. Pereira, Ph.D.
Registration No. 45,518

Date: 12/29/00



22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 10/00)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Isao KARUBE et al

SERIAL NO: New U.S. Application

FILED: Herewith

FOR: METHOD FOR DETECTING DNA WITH PROBE PNA

REQUEST FOR PRIORITY

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

- Full benefit of the filing date of U.S. Application Serial Number **09/147,791**, filed **March 9, 1999**, is claimed pursuant to the provisions of **35 U.S.C. §120**.
- Full benefit of the filing date of U.S. Provisional Application Serial Number , filed , is claimed pursuant to the provisions of **35 U.S.C. §119(e)**.
- Applicants claim any right to priority from any earlier filed applications to which they may be entitled pursuant to the provisions of **35 U.S.C. §119**, as noted below.

In the matter of the above-identified application for patent, notice is hereby given that the applicants claim as priority:

COUNTRY	APPLICATION NUMBER	MONTH/DAY/YEAR
JAPAN	183710/1997	JULY 9, 1997
JAPAN	75350/1998	March 24, 1998
JAPAN	141433/1998	May 22, 1998
WIPO	PCT/JP98/03077	JULY 9, 1998

Certified copies of the corresponding Convention Application(s)

- are submitted herewith
- will be submitted prior to payment of the Final Fee
- were filed in prior application Serial No. filed
- were submitted to the International Bureau in PCT Application Number **PCT/JP98/03077**, filed **July 9, 1998**. Receipt of the certified copies by the International Bureau in a timely manner under PCT Rule 17.1(a) has been acknowledged as evidenced by the attached PCT/IB/304.
- (A) Application Serial No.(s) were filed in prior application Serial No. filed ; and
- (B) Application Serial No.(s)
 - are submitted herewith
 - will be submitted prior to payment of the Final Fee

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon
Registration No. 24,618

Daniel J. Pereira, Ph.D.
Registration No. 45,518



22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 10/98)